

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005126

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.<sup>7</sup> B22C15/08, 5/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.<sup>7</sup> B22C1/00-25/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 56-4342 A (Kabushiki Kaisha Yamato Seisakusho), 17 January, 1981 (17.01.81), Page 1, lower right column, line 13 to page 2, lower left column, line 2; Fig. 1 (Family: none)	1 1-12 13
X Y	JP 2000-190049 A (Sinto Kogyo Ltd.), 11 July, 2000 (11.07.00), Par. Nos. [0005] to [0010]; Fig. 1 (Family: none)	13 1-12
Y	JP 10-225745 A (Sinto Kogyo Ltd.), 25 August, 1998 (25.08.98), Par. No. [0004] (Family: none)	2, 5-12

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

-A- document defining the general state of the art which is not considered to be of particular relevance

-E- earlier application or patent but published on or after the international filing date

-L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

-O- document referring to an oral disclosure, use, exhibition or other means

-P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

-X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

-Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

-&amp;- document member of the same patent family

Date of the actual completion of the international search

21 June, 2005 (21.06.05)

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05 July, 2005 (05.07.05)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 7-80599 A (Kao Corp.), 28 March, 1995 (28.03.95), Par. No. [0010] (Family: none).	3, 5-12
Y	JP 8-57577 A (Kao Corp.), 05 March, 1996 (05.03.96), Par. No. [0013] (Family: none)	4-12